Directorate of Municipal Administration,
Government of Odisha

Auto Generation of Building Plan PDF from CAD file

FAQs for Architects & Technical Persons

1) **What is the CAD to PDF feature?**
Answer: The CAD to PDF feature enables the automatic generation of PDF files from CAD drawings, eliminating the need to upload BPL documents during application creation or rework.

2) **What happens when "Is CAD to PDF enabled" is set to YES?**
Answer:

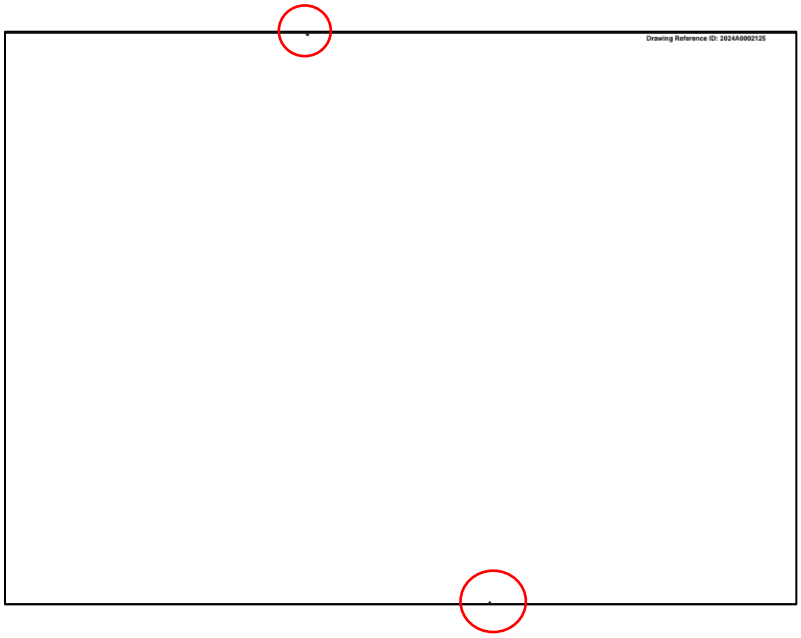
a. Base layer and OBPAS & base layer PDFs will be generated.

b. Application creation can proceed seamlessly.

3) **What happens when "Is CAD to PDF enabled" is set to NO?**

Answer: The scrutiny report can be viewed, but application creation cannot proceed.

4) **Why is my sheet blank?**



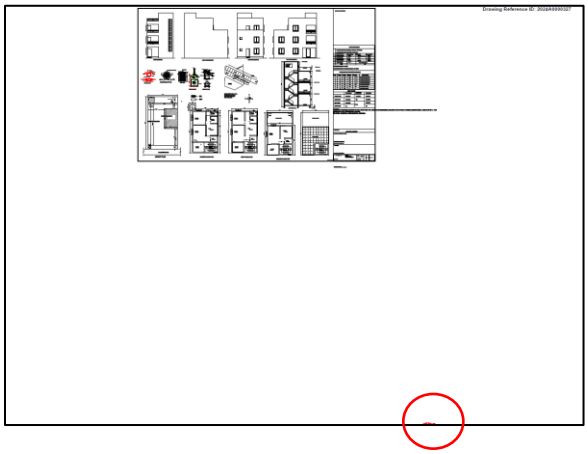
Answer: If you zoom in the pdf, you might see that the sheet is visible as a small dot/extremely small.
It might be because of one the following 2 reasons:

1. There could be few OBPAS layers present outside the sheet area which do not belong to the respective Sheet.
    - (i.e. all OBPAS Layers related to Site/elevation/floor plan etc. should be present within the boundary of the Site Plan Sheet/Elevation Sheet/Floor plan sheet respectively)
2. There could be drawing elements/texts/dimensions of the Base Drawing which while PDF generation, is showing outside the respective sheet.
    - (i.e. all components of the base layer related to Site/elevation/floor plan etc. should be present within the boundary of the Site Plan Sheet/Elevation Sheet/Floor plan sheet respectively)

Try to zoom in the sheet and identify the particular issue or one can try for the below solutions:

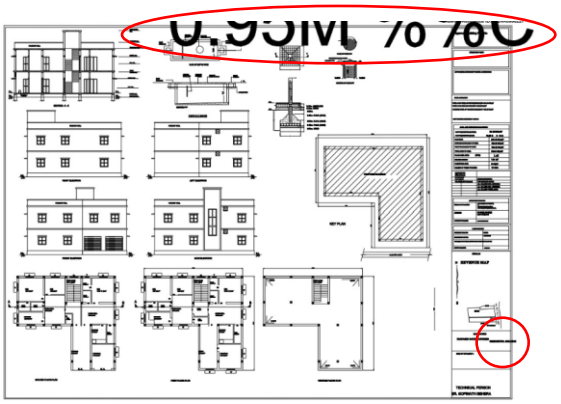
- Kindly click on blank space in AutoCAD and type (Ctrl A) once everything is selected, press shift and deselect the drawing sheet and plan info. Then delete. Once you do this the sheet is visible and all extra elements are deleted.
- Explode all the blocks in that particular base layer sheet.
- Copy only the sheet and plan info using the blue selection (Drag the mouse to the right to create a blue selection window) in AutoCAD and paste them in new file with correct units, etc and try again.

5) Why is this component outside the sheet?



Answer: The component might be in block, so explode it / it could be any unwanted component which can be deleted / the component is not part of the respective sheet.

6) Why are the texts going outside the sheet?



Answer: Check that the Text box boundary should be within the sheet. If the text layers still print outside the sheet, then text might be in Mtext layer. So create single line texts and place them within the sheet. All the texts line weight should be by layer.

7) Why is this error showing in scrutiny report - CAD to Pdf failed, contact Admin?

S.No	Error Description
1	CAD to PDF failed! Please contact administrator.

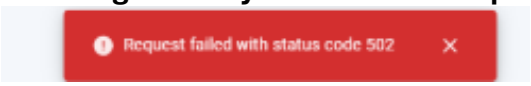
Answer: It might be because image has been inserted in the drawing. Kindly remove that.

8) Layers matching pattern. 'SITE_PLAN,' are missing

S.No	Error Description
1	Layers matching pattern: 'ELEVATION_PLAN_.*, SECTION_PLAN_.*, SERVICE_PLAN, ' are missing!

Answer: Kindly refer to the Update Drawing Manual, Drawing Template and reference files in the SUJOG website to know more about the above layers and sheet creation.

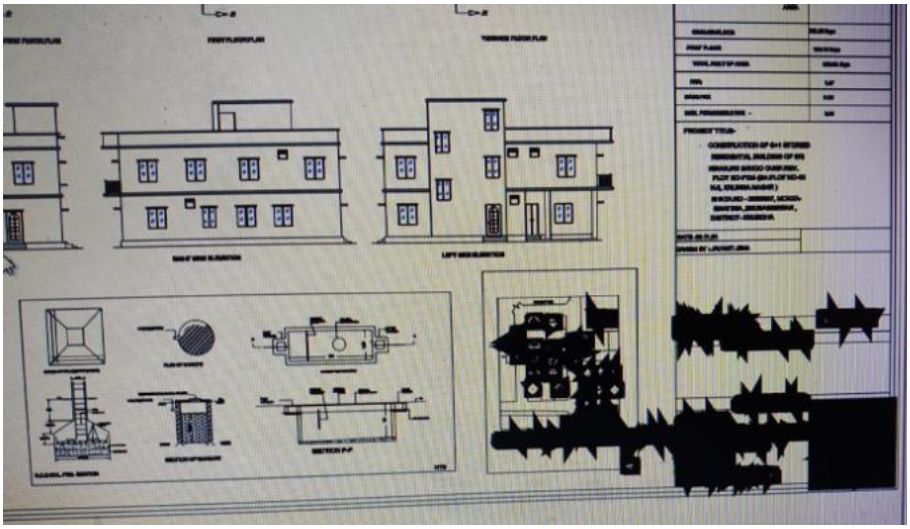
9) While doing scrutiny error shows Request failed with Status Code 502



Answer: Please rename the file within 100 characters.

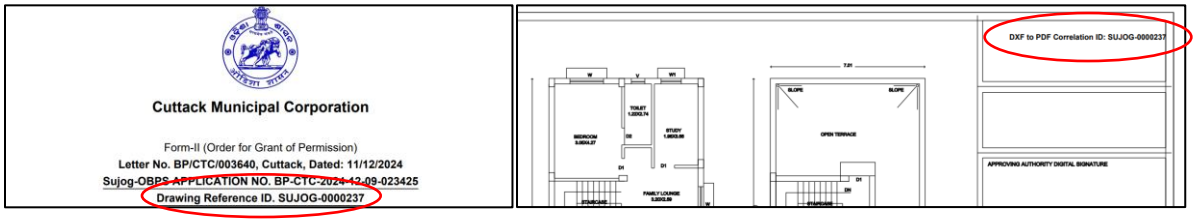
File size should be less than 30mb. Do not provide any unnecessary elements like furniture or plants etc it will increase the file size. Purge the layers if needed. Do not use commands like REGEN.

10) Why the texts are black ?



Answer: All the text should have line weight as 'by layer'.

11) Since Architects and Applicants cannot upload their Signature, Will there be any issue in Approval Process?



Answer: As this is completely online Application without any Human Intervention, therefore both the PDFs generated is linked to the online Application which in turn in also linked to the Scrutiny Report and Permit Letter via Drawing Reference ID. As the Applicant Details and other aspects of the Ownership Details is already a part of the application therefore, Signature is not required to be uploaded.

However, if needed Architect can Raster their Signature as well as the Applicant's.
How to Raster the Image –

- First upload the signature of Architect/ Applicant in JPG/PDF format.
- Using Polyline, trace the signature.
- Finally remove all the images.

Layers required for generation of Building Plan PDFs from CAD files

Category	Mandatory Layer names	Sheet Size
Category A	SITE_PLAN	A1
Category B (single block)	SITE_PLAN	A1
Category B (multiple blocks)	SITE_PLAN BLK_n_FLR_n_FLOOR_PLAN	A1
Category C & Category D	SITE_PLAN BLK_n_FLR_n_FLOOR_PLAN ELEVATION_PLAN_n SECTION_PLAN_n SERVICE_PLAN	A0

1. Category of buildings under ODA ULBs

Category	Project Criteria
Category A	Height - Up to 10 m Plot Area - up to 500 sqm Excluding Special Buildings
Category B	Height - from 10 - 15 m Plot Area - From 500 sqm - 1 Acre Special Buildings Height - Upt0 15 m
Category C	Height - from 15 - 30 m Plot Area - From 1 Acre - 1 Hectare Special Buildings Height - from 15 - 30 m
Category D	Height - Beyond 30 m Plot Area - Beyond 1 Hectare Special Buildings Height - Beyond 30

2. Category of buildings under SPARIT/OTPIT ULBs

Category	Project Criteria
Category A	Height - Up to 10 m Plot Area - up to 500 sqm
Category B	Height - from 10 - 15 m Plot Area – 500sqm - 0.4ha
Category C	Height - from 15 - 30 m Plot Area - From 0.4ha – 2ha
Category D	Height - Beyond 30 m Plot Area - Beyond 2 Hectare

Important Note: i) All texts in the base layer should have line weight by layer.

ii) No images to be provided in the CAD file.